

QUIZ!

Use a full sheet of 8½x11" paper. (Half sheet? Half credit!)

Put only your last name in the far upper left hand corner of the sheet, where a staple would hit it. It's OK to write **BIG**, just start in the corner!

Mitchell

AVOID A ½-POINT DEDUCTION!

Keep answers short! Avoid full sentences. Feel free to abbreviate.

6 questions; 4 minutes; 4 points.

Numbering responses may help you avoid overlooking a question. You may go ahead and number your paper.

Quiz 11, April 12, 2016

4 minutes; $\frac{1}{2} + 1 + \frac{1}{2} + 1 + \frac{1}{2} + \frac{1}{2}$ points

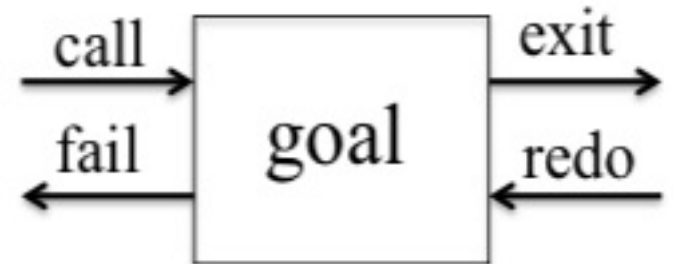
1. Write an example of a structure with two terms.
2. What are two distinct computations that can be done with the predicate **food/1** that we've been using?
3. What does the notation **f/3** mean?
4. Draw and label the ports of the four-port model.
5. What is the output of the following query?
?- A=1, B=2, write(A), A=B, write(B).
6. Given these facts, **a(1).** **a(1,2).** **a(2).**
what is output by the following query?
?- a(X), writeln(X), fail.

Solutions

1. Write an example of a structure with two terms. **x(1,2)**
2. What are two distinct computations that can be done with the predicate **food/1** that we've been using?

(1) Ask if something is food. (2) Enumerate all foods.

3. What does the notation **f/3** mean? **f** is a three-term predicate.
4. Draw and label the ports of the four-port model.



5. What is the output of the following query?
**?- A=1, B=2, write(A), A=B,
write(B).**

**1
false.**

6. Given these facts, **a(1). a(1,2). a(2).**
what is output by the following query?

?- a(X), writeln(X), fail.

**1
2
false.**